

MARKED UP VERSION OF AMENDMENTSSpecification Amendments Under 37 C.F.R. § 1.121(b)(1)(iii)

Replace the paragraph at page 3, lines 4 through 12 with the below paragraph marked up by way of bracketing and underlining to show the changes relative to the previous version of the paragraph.

SUMMARY OF THE INVENTION

This invention relates to the use of polyionenes are effective in treating or preventing oral mucositis in hamsters. For example, the polyionene poly(4,4'-trimethylenebis(1-methylpiperidinium)-alt-octane) (X) was effective in significantly reducing the severity of oral mucositis at a concentration as low as 1.0 mg/mL. This contrasts with chlorhexidine, which is commonly used to treat oral mucositis but was unsuccessful in treating the hamster model at a concentration of 0.5% (v/v). Based on this discovery, methods of treating and/or preventing mucositis in a mammal are disclosed.

Replace the paragraph at page 24, lines 18 through 25 with the below paragraph marked up by way of bracketing and underlining to show the changes relative to the previous version of the paragraph.

EXAMPLE 12

Preparation of poly(hexamethylene biscyano guanidine-alt-1,3-aminoguanidine) (XXVII).

____ Hexamethylene biscyano guanidine (4.00 mmoles, 1.00 g) and 1,3-aminoguanidine (4.00 mmoles, 0.502 g) were added to a 40 ml vial with a septa-cap followed by 2 equivalents of concentrated HCl. The mixture was heated to 165° C in an oil-bath for 3 h. The resulting orange solid was acidified with 1 eq. concentrated HCl, dissolved in water and purified by centrifugation through a 3K Macrosep filtration membrane.